

20000519.qrp v01_n826.qrl.20000519

Date: Fri, 19 May 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1826

QRP-L Digest 1826

Topics covered in this issue include:

- 1) [70519] Re: mobile antennas
by tailfeathers@juno.com
- 2) [70520] Re: mobile antennas
by wd3p@juno.com
- 3) [70521] RE: Proam/Valnor antennas
by N10DL@aol.com
- 4) [70522] Dayton Doldrums
by "Dieter \ (Diz\) Gentzow W8DIZ" <w8diz@cinci.rr.com>
- 5) [70523] Re: [Elecraft] Dayton and goat meat
by nilsbull@juno.com
- 6) [70524] Re: [Elecraft] Dayton and goat meat
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 7) [70525] Re: [Elecraft] Dayton and goat meat
by Scott Hotchkiss <w4pj@bellsouth.net>
- 8) [70526] Freqs for SSB contacts? What are the popular ones?
by Ronnie Davis <ke4vpn@yahoo.com>
- 9) [70527] [CONTEST] QRP Contesting - May 20-21 (CORRECTED)
by Ken Newman <N2CQ@citnet.com>
- 10) [70528] Re: HB: receiver
by David Newkirk <dpnewkirk@home.com>
- 11) [70529] Re: mobile antennas
by DYARNES@aol.com
- 12) [70530] Re: OT: OTHER QRP stuff and My Thanks...
by "Sly, 9M8SL" <cqsly@tm.net.my>
- 13) [70531] Re: mobile antennas
by DYARNES@aol.com
- 14) [70532] Re: mobile antennas
by Russ Dow <n7dw@garlic.com>
- 15) [70533] Re: mobile antennas
by Phil Wheeler <w7ox@earthlink.net>
- 16) [70534] OT - 'QRP' GPS on sale....
by Radman <radman@best.com>
- 17) [70535] Re: OT - 'QRP' GPS on sale....
by Phil Wheeler <w7ox@earthlink.net>
- 18) [70536] "Stealth Amateur Radio"
by KC4FKX@aol.com
- 19) [70537] The Whatcha-ma-call-it Ant

- by hamjoel@juno.com
- 20) [70538] Re: mobile antennas
by Bruce Muscolino <w6toy@erols.com>
- 21) [70539] Re: SMK-1 #21
by Richard Matthews <prm@hiwaay.net>
- 22) [70540] mobile antennas
by "Art Marshall" <artm@t-com.com>
- 23) [70541] Re: mobile antennas
by tailfeathers@juno.com
- 24) [70542] SMK #227
by "Brian" <brian@iquest.net>
- 25) [70543] Re: Freqs for SSB contacts? What are the popular ones?
by W1R0@aol.com
- 26) [70544] RE: CQ AE9K
by Bcieslak@ra.rockwell.com
- 27) [70545] FDIM Dayton QRP Seminar
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 28) [70546] G3RJV's apple
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 29) [70547] MFJ-971 tuner wanted
by Roger Hightower <n7kt@worldnet.att.net>
- 30) [70548] Re: FDIM Dayton QRP Seminar
by George F Franklin <w0av@juno.com>
- 31) [70549] Re: FDIM Dayton QRP Seminar
by "Brian" <brian@iquest.net>
- 32) [70550] QRP Capital of the World
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 33) [70551] Pins for SMK-1
by "Brian" <brian@iquest.net>
- 34) [70552] Wilderness Sierra/KC2/NB/8 bands - \$295.00
by Patrick Armstrong <aa7fg@gte.net>
- 35) [70553] DL-QRP-PA amplifier unbuilt-\$50
by Patrick Armstrong <aa7fg@gte.net>
- 36) [70554] Design Session
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 37) [70555] Gap Titan up for grabs in the Denver area.
by "Jess Gypin" <jessqrp@uswest.net>
- 38) [70556] Re: mobile antennas
by Phil Wheeler <w7ox@earthlink.net>
- 39) [70557] Operation from Grand Canyon
by "Robert Armstrong" <barmstrong@sisna.com>
- 40) [70558] Re: mobile antennas
by "Dan W. Dooley" <dandooley@pipeline.com>
- 41) [70559] HB: receiver
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 42) [70560] FS: Tektronix 7603 plus...
by Michael Melland <badger@vbe.com>
- 43) [70561] Re: Operation from Grand Canyon

by Bob Nielsen <nielsen@primenet.com>
44) [70562] QRQ Net Practice sentences.
by Ed Loranger <we6w@qsl.net>
45) [70563] SMK Archives
by "Brian" <brian@iquest.net>
46) [70564] You may ask yourself . .
by "Heimo J. Lyden" <sm6lod@golfinho.com>
47) [70565] Re: mobile antennas
by SKIPNC90@aol.com
48) [70566] Slapped Together A Page of FDIM Photos
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
49) [70567] WTB PID
by James Skalski <jskalski@localnet.com>
50) [70568] 80/75M field use ant?
by Donald Jones <djones@ckc.com>
51) [70569] MFJ 94 series SSB Rigs?
by Donald Jones <djones@ckc.com>
52) [70570] SMiTe: Alert
by "Dan Wolfe" <n4roa@mounet.com>
53) [70571] RE: 80/75M field use ant?
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
54) [70572] For sale: St. Louis Tuner, NorCal 20
by "David Maliniak" <dmaliniak@vertical.net>
55) [70573] looking fer a SHW-257
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
56) [70574] Kit & Part Sources
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
57) [70575] Re: Kit & Part Sources
by "John J. McDonough" <wb8rcr@arrl.net>
58) [70576] Re: Archive: QRP-L CD Version 3, dated May 7, 2000 now Available
(long)
by Michael Neverdosky <mneverdosky@earthlink.net>
59) [70577] Re: FS: OHR-100A 30-meter kit..
by "Phinizy, William" <wphinizy@filenet.com>
60) [70578] FS: 2 mtr crystals
by Bruce Rattray <rattray@gpfn.sk.ca>
61) [70579] FS: FT100 tuning knob, suitable for K2
by Allan G Taylor <k7gt@qsl.net>
62) [70580] FS or FT TenTec 1330
by DaveLeDuc@aol.com

Date: Thu, 18 May 2000 17:09:41 -0400
From: tailfeathers@juno.com
To: tbry37@ici.net
Cc: qrp-l@Lehigh.EDU
Subject: [70519] Re: mobile antennas

Message-ID: <20000518.190107.-4101305.0.tailfeathers@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Aren't the hamstick and valors about 7 feet tall? Thats way to tall to get through the Mcdrivethru. :>) My hustler with the 22" mast is about 5 feet tall on top of the cab of my truck and I have to watch that too.

Gary
n8gsj

On Thu, 18 May 2000 07:11:58 -0400 "Thaire Bryant" <tbry37@ici.net> writes:

> Many thanks for all the info and suggestions. Now I have
> to choose among: Hustler, Hamstick and Screwdriver. I
> know it won't be an Outbacker!
>
> 73
>
> Thaire W2APF
>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 18 May 2000 23:32:59 +0100

From: wd3p@juno.com

To: tailfeathers@juno.com, qrp-1@Lehigh.EDU

Subject: [70520] Re: mobile antennas

Message-ID: <20000518.233305.-441721.0.wd3p@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

On Thu, 18 May 2000 17:09:41 -0400 tailfeathers@juno.com writes:

> Aren't the hamstick and valors about 7 feet tall? Thats way to tall
> to
> get through the Mcdrivethru. :>) My hustler with the 22" mast is
> about 5
> feet tall on top of the cab of my truck and I have to watch that
> too.

> Gary
> n8gsj
>

The taller the better, and the higher the coil the better. You just have to decide your priorities - the drive thru or a better antenna. I vote for the antenna.

By the way I rate the Outbacker and the hamsticks about the same. I use an outbacker at times for convenience only. I'd much rather use my hustler. General setup there is the hustler with the spider mount and antennas for 40 and 80 - you can put a third one on if you want. You do have to guy it on the car. The big advantage of that setup is you don't have to get out of the car to switch bands. I stay away from anything that puts the coil at the base of the antenna.

On the price front - the Outbacker while not cheap does allow coverage of everything from 80 to 10 meters. Some even give you 6 meters. If you are going to use all the bands. Then the price of the hamsticks and hustlers get up close to the Outbacker real quick.

73 de Larry.....WD3P in MD

Date: Thu, 18 May 2000 19:42:07 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [70521] RE: Proam/Valnor antennas
Message-ID: <6.6255a5d.2655d9cf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Can someone point me to a site where I can look at this antenna for mobile use?

Thanks

Aron

N10DL

Bedford, NH

Date: Thu, 18 May 2000 20:56:35 -0400
From: "Dieter \ (Diz\) Gentzow W8DIZ" <w8diz@cinci.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [70522] Dayton Doldrums
Message-ID: <002101bfc12d\$14d75a50\$1461a518@cinci.rr.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

QRL?

Sure is quiet around here with Dayton-2000 going on...

Guess I'll join the crowd tomorrow and hope to see many of U!

73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493
<http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

Date: Fri, 19 May 2000 00:49:11 +0000
From: nilsbull@juno.com
To: rerobins@email.uncc.edu
Cc: qrp-1@lehigh.edu, elecraft@qth.net
Subject: [70523] Re: [Elecraft] Dayton and goat meat
Message-ID: <20000519.004915.-166991.3.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Rick,

My youngest, who is crazy 'cause of his mother's family curse (and certainly not mine), worked up a shirt that I will be wearing Friday & Sunday. On the front is an alien green with a burning lawn mower & a can of beer in his three-fingered hand. On the back the same alien is watching a weed-whacker burn, while in the background behind him, atom bombs go off and a flying saucer is putting a ray beam on a building in flames.

Out of the flying saucer is a little bubble that says: "Bring us the white people!"

Next we're gonna get my son to put together a bunch of different shaped aliens with the same green alien as the shirt standing on the stage watching a guitar go up in flames. On the back will be another picture of the same alien with the other members of the band & a girl in a wet t-shirt. The banner across the top will be the name of the band (as yet to be decided upon by my son & one of my co-workers). Then a list of places.

Detroit Lakes, Minnesota. Cleveland, Ohio. San Juan Puerto Rico.
Guadalajara, Mexico. Athens, Greece. Gulji, Eastern Turkistan. And at the
bottom will be the words:

"BRING US THE WHITE PEOPLE TOUR 2000"

You want one? That'll be \$20. The videos? \$20. The groupies? Not for
sale. The fruit bowl? Gimme a break, man!

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>

"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
-- Comrade Nikolai Sergeievich

McTovarishov, 19 Oct 1917

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Thu, 18 May 2000 21:28:12 -0400 (EDT)

From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>

To: nilsbull@juno.com

Cc: rerobins@email.uncc.edu, qrp-1@lehigh.edu, elecraft@qth.net

Subject: [70524] Re: [Elecraft] Dayton and goat meat

Message-ID: <Pine.BSI.4.05L.10005182123220.19336-100000@vh1.min.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

> You want one? That'll be \$20. The videos? \$20. The groupies? Not for
> sale. The fruit bowl? Gimme a break, man!

Keep the bowl. Since theres is no price for the groupies, I assume the
cost is \$0 fob. Please advise prepered carrier and shipping amount.
Manifest should specify if groupies are QRO, QRP or mixed.

Appropriate material handling material on site.

thom

../
baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster

http://www.baltimoremd.com/ Baltimore's Home Page
http://www.baltimorehon.com Home of the Baltimore Lexicon
http://www.min.net/~thom/ Home of the Drake Mailing List

Date: Thu, 18 May 2000 22:06:35 -0400
From: Scott Hotchkiss <w4pj@bellsouth.net>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70525] Re: [Elecraft] Dayton and goat meat
Message-ID: <3924A1AA.CA95B662@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Show us the pictures!
de (Scott) W4PJ QRPL #1585 SOC#29

nilsbull@juno.com wrote:

> Rick,
>
> My youngest, who is crazy 'cause of his mother's family curse (and
> certainly not mine), worked up a shirt that I will be wearing Friday &
> Sunday. On the front is an alien green with a burning lawn mower & a can
> of beer in his three-fingered hand. On the back the same alien is
> watching a weed-whacker burn, while in the background behind him, atom
> bombs go off and a flying saucer is putting a ray beam on a building in
> flames.
>
> Out of the flying saucer is a little bubble that says: "Bring us the
> white people!"
>
> Next we're gonna get my son to put together a bunch of different shaped
> aliens with the same green alien as the shirt standing on the stage
> watching a guitar go up in flames. On the back will be another picture of
> the same alien with the other members of the band & a girl in a wet
> t-shirt. The banner across the top will be the name of the band (as yet to
> be decided upon by my son & one of my co-workers). Then a list of places.
> Detroit Lakes, Minnesota. Cleveland, Ohio. San Juan Puerto Rico.
> Guadalajara, Mexico. Athens, Greece. Gulji, Eastern Turkistan. And at the
> bottom will be the words:
>

> "BRING US THE WHITE PEOPLE TOUR 2000"
>
> You want one? That'll be \$20. The videos? \$20. The groupies? Not for
> sale. The fruit bowl? Gimme a break, man!
>
> 73
>
> Nils
> -----
> Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
> Sonrientes
> <http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>
> "In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
> -- Comrade Nikolai Sergeievich
> McTovarishov, 19 Oct 1917
>
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Thu, 18 May 2000 19:55:56 -0700 (PDT)
From: Ronnie Davis <ke4vpn@yahoo.com>
To: QRL List <qrp-l@Lehigh.EDU>
Subject: [70526] Freqs for SSB contacts? What are the popular ones?
Message-ID: <20000519025556.13877.qmail@web615.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello

I just got a K2 built here in NC and would very much like to know what freqs everyone uses for SSB and CW contacts. All bands possible here. Let me know if anyone wants to sked a possible contact. BTW the K2 is an awesome rig!

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Thu, 18 May 2000 23:27:37 -0400

From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [70527] [CONTEST] QRP Contesting - May 20-21 (CORRECTED)
Message-ID: <3.0.6.32.20000518232737.008cabb0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry about the missing info on the earlier post. :)

~~~~~

QRP CONTEST CALENDAR

May 20-21, 2000

~~~~~

Dayton Hamvention (QRP Event - FDIIM)

May 18-21

Info: <http://www.hamvention.org/>

~~~~~

European Sprint (CW)

May 20 - 1500z to 1859z

Rules: <http://home.sol.no/~janalme/htmlrules/eusprint.html>

~~~~~

Baltic Contest (CW/SSB)

May 20 - 2100z to May 21 - 0200z

Rules: <http://home.sol.no/~janalme/rules/baltic.txt>

~~~~~

AND LATER.....

~~~~~

CQWW WPX Contest (CW) ... QRP Category

May 27 - 0000z to May 28 - 2400z

Rules: <http://ourworld.compuserve.com/homepages/n8bjq/2000RULES.htm>

~~~~~  
QRP ARCI Hoot Owl Sprint (CW) ... QRP Contest!

May 28 - 2000 to 2400 (Local Time)

Rules: <http://personal.palouse.net/rfoltz/arci/hoot.htm>

~~~~~  
Michigan QRP Memorial Day Sprint (CW) ... QRP Contest!

May 29 - 2300z to May 30 - 0300z

Rules: <http://www.tir.com/~n8cqa/rules2000.htm>

~~~~~  
72 de

Ken Newman - N2CQ  
Woodbury, NJ  
N2CQ@ARRL.NET

~~~ QRP CONTEST CALENDAR ~~~  
<http://www.n3epa.org/Pages/Contest.htm>

Date: Fri, 19 May 2000 00:33:37 -0400
From: David Newkirk <dpnewkirk@home.com>
To: qrp-l@Lehigh.EDU
Subject: [70528] Re: HB: receiver
Message-ID: <3924C421.EB3481DB@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

"> I recommend moving your LO to the 18-MHz range (8064 + 10100, for
> example); then the image will be in the 26-MHz region (18-MHz LO + 8-MHz

"That would cure the image problem, but making an 18 Mhz LO reasonably
stable could be a problem. I'd make the IF 4.00 or 4.433 Mhz where

it's easy to make narrow filters, and then the LO would be 6.1 or 5.66 Mhz. Now the image is down around 2 Mhz."

But harmonics of the LO may still bring in other problem signals quite close in frequency to the desired band. Keeping the LO on the high side minimizes that potential problem.

Building an LC oscillator stable enough for aural Morse reception is pretty straightforward in the 14- to perhaps 20-MHz range, as I described for the 10/18-MHz receiver I built for the 1988 ARRL Handbook (and it continued to appear through the 1994 edition, I recall). Two different versions of that 14.1-MHz LO, one built ground-plane style and the other built on an etched board, exhibited the same drift: 20 to 30 Hz in the first hour of operation, after which the drift was smaller, and more or less random. Getting similar stability at 18 MHz should not be a problem. As or more likely than drift, though, if the oscillator consists only of the single-transistor oscillator section of an NE602, is frequency pulling as a result of the relatively poor isolation inside the chip. You also have relatively poor control of the mixer's LO drive level.

As for using a 4 MHz IF, I think that's a fine idea--because, as is true of the 10/18, it allows you to cover two ham bands (10 and 18 MHz) with one LO tuning range (in the 14-MHz region) by just retuning the input circuitry (in the 10/18, I switched 40673-RF-amplifier boards). Each band is the image of the other.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Date: Fri, 19 May 2000 00:54:30 EDT
From: DYARNES@aol.com
To: w7ox@earthlink.net, qrp-1@lehigh.edu
Subject: [70529] Re: mobile antennas
Message-ID: <ae.53d397a.26562306@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 5/18/00 9:07:55 AM US Mountain Standard Time, w7ox@earthlink.net writes:

<< Why is that? curious - have not seen many if any remarks
> regarding the Outbacker, much less disparaging comments.

> Is it a long dummy load or what?
>

Price-performance ratio is too high. Hamsticks work better for me and are much less expensive.
>>

Well, I'll defend the Outbacker! First of all, I have used both Hamsticks and Hustler antenna systems over the years. Both work fine (but certainly not on a par with systems like "Bugcatchers" and screwdriver types). Some of the best are home made with fairly large top hats.

Hamsticks and Hustlers are all monoband for starters. If you want to cover the 8 main HF bands, you have a fistful of antenna sections. Hustler resonators are especially bulky when you have several of them to deal with. To change bands you must usually take one off, find the one you want, then put it on the mount. The Hustler resonators can be mounted on a special wheel like device that allows several to be attached at once. It works, but it's gangly at best. You can't do that at all with the Hamsticks.

I have found Hamsticks to be just about as efficient as Hustlers--maybe even better. But the Hustlers are solid, and you can even get KW capable resonators. Individually Hustlers and Hamsticks aren't too expensive, but by the time you buy 8 or so of them (to equal the Outbacker's capabilities) you have a fair amount invested. With the Hustlers you have to also buy a mast. The point is that the cost, when you compare apples to apples (i.e. same number of bands, etc.), isn't that different.

The Outbacker is a very sturdy antenna. Probably a bit overpriced, but it's really a quality piece of construction. Also, it is very easy to take on trips. I put mine (the Perth model) in a flyrod case and take it with me when I travel. I use a "tripod" type mag mount (that goes in my suitcase), and I can be HF mobile in a rental car in 5 minutes. The new Perth Plus adds 6 meters for another 20 bucks. Pretty good match if you are using an Icom 706!

The bottom line in my book is that the Outbacker is a much more convenient antenna than the Hustler or the Hamstick set, it costs only a relatively small amount more, it works nearly as well if not just as well as either of the others.

With some imagination, you can make it work as a reasonably effective portable antenna, particularly on 20 meters and higher. I bought a tripod mount for a TV antenna at Frys Electronics for about 20 bucks. It folds up to a fairly compact size. Put some radials out, and a simple mount for the Outbacker, and you have a neat little vertical for your campsite, etc.

The main thing is that I have used all three systems and the Outbacker works just as well as best as I can tell. I don't think you give up any measurable efficiency, although some may disagree (flame suit on). I don't enjoy paying \$50 or so more, but it's really worth it for the convenience.

How about some other Outbacker commentary. Anybody else want to agree or disagree?

Dave W7AQK

P.S. Actually, I think the Bugcatcher may be the most economical, at it is reasonably convenient. I've never used one, but I think HRO sells them for \$160 or so. Some models I've seen in the past had huge loading coils, but the one I saw in the HRO catalog looked much slimmer (and longer).

D.

Date: Fri, 19 May 2000 13:06:08 +0800
From: "Sly, 9M8SL" <cqsly@tm.net.my>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70530] Re: OT: OTHER QRP stuff and My Thanks...
Message-ID: <20000519050608.HUH29588@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

You guys (gals included) are really great!!!
Got dozen of helpful and well-thought
hints on how to use bright LED's as
QRP lights.

My sincere thanks again...
Will try out some of your superb idea(s)
and see how it goes.

Vy 72/3 de Sly, 9M8SL
Borneo Island, East Malaysia.
+++++

Date: Fri, 19 May 2000 01:23:21 EDT

From: DYARNES@aol.com
To: tailfeathers@juno.com, qrp-1@lehigh.edu
Subject: [70531] Re: mobile antennas
Message-ID: <39.544650e.265629c9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 5/18/00 4:09:25 PM US Mountain Standard Time,
tailfeathers@juno.com writes:

<< Aren't the hamstick and valors about 7 feet tall? Thats way to tall to
get through the Mcdrivethru. :>) My hustler with the 22" mast is about 5
feet tall on top of the cab of my truck and I have to watch that too. >>

Outbacker, like Hustler has a "short" version. Both of them suck! If you
want good mobile results, you need to make the antenna as long as possible.
This reduces dramatically the size of coil required. Even a few inches of
additional length makes a big improvement. That's why the 7 foot version of
the Outbacker is head and shoulders above the short version, and the same for
the Hustler. If you buy the Hustler system, buy the longer mast. If you
have to go to McDonalds (which we all do on occasion to get our "fix"), slip
the mast down at the break point.

I might also take this opportunity to recommend some reading for those really
interested in mobile operation. Don Johnson, W6AAQ, has written a couple of
very interesting books about mobile antenna systems. Of course his books
glorify the screwdriver approach, which he pretty much invented, but there is
some very thought provoking discussion about different mobile systems that
are in use today. Take a look.

Also, if you get a chance to talk to some folks that frequent our QRP forums
and who REALLY know what they are doing, like Cecil Moore, W6RCA, (who is a
sometimes participant in the mobile antenna shootouts that occur around the
country), you can get some good great info. There are several others.

Dave W7AQK

Date: Thu, 18 May 2000 22:29:58 -0700
From: Russ Dow <n7dw@garlic.com>
To: tbry37@ici.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70532] Re: mobile antennas
Message-ID: <3924D156.5468AEA9@garlic.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Okay, I can't stand it any longer. For better or worse, here's my input on mobile antennas.

1. Having never used an Outbacker or Screwdriver, I will not comment. I have opinions, but based on reading and hearsay, not experience.
2. I have 2 Hamsticks (75 and 20 meters), 2 54" Hustler masts, and Hustler resonators and stingers for every band from 80 thru 10 meters.
3. I have observed the same dis/re-assembly hassle with the Hamsticks that others have posted in this thread. It is a bit inconvenient, but I can live with it.
4. The Hamsticks are lighter and probably generate less air resistance at cruising speeds. Not an issue on a full size pickup with a strong antenna mount, but very likely a better choice for lighter mounts.
5. The Hustler resonators unscrew from the mast at the base of the resonator. Tuning is done by sliding the stinger in/out of a tube extending from the top of the resonator, so each resonator/stinger combo can be removed/replaced intact. No fiddling to retune 50 the same spot. Unless the stinger lock nut is loose. You DID tighten it, didn't you?
6. As a bonus, a 54" Hustler mast alone will resonate slightly below the low end of 6 meters (not sure, but 49.2 comes to mind), and VSWR stays under 2:1 well into the band. I've made many contacts at 8 watts SSB with just a "topless" mast.
7. Bottom line: My Hustlers get heavy use.

73,
Russ N7DW

Thaire Bryant wrote:

>
> Many thanks for all the info and suggestions. Now I have
> to choose among: Hustler, Hamstick and Screwdriver. I
> know it won't be an Outbacker!
>
> 73
>

> Thaire W2APF

Date: Thu, 18 May 2000 23:09:46 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: n7dw@garlic.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70533] Re: mobile antennas
Message-ID: <3924DAAA.354E8EF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Russ Dow wrote:

>
> 7. Bottom line: My Hustlers get heavy use.
>
>

I'm now in the Hustler camp, partly for convenience (a bumper mounted foldover mast lets me garage the car without antenna removal).

I have a 20 meter custom unit: 15 m resonator with a long stinger (abt 50"). Best 20m mobile antenna I've ever used.

Phil

Date: Thu, 18 May 2000 23:58:50 -0700
From: Radman <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [70534] OT - 'QRP' GPS on sale....
Message-ID: <01BFC125.051869E0@radman.vip.best.com>

Friends,

With our more accurate GPS system now in place, I've been considering a tiny hand-held for this summer's QRP adventures. West Marine has the new Garmin eTrex on sale. This 12-parallel channel, 500 way-point unit is said to run for 18-22 hours on 2 'AA' batts. I managed to steer myself thru a demo outside a West Marine store and even navigated my way back to the cashier - fortunate, as she was holding my Visa card as security ;)

At \$114.95, it seems like a pretty cool buy - anyone try one yet?

Nice description/pics at: <http://www.4x4books.com/gmet.htm>

Thanks for any user reports/advice,

73 - Conrad Weiss - NN6CW

Date: Fri, 19 May 2000 00:27:04 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70535] Re: OT - 'QRP' GPS on sale....
Message-ID: <3924ECC8.AD675D54@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radman wrote:

>
> Friends,
>
> With our more accurate GPS system now in place, I've been considering a
> tiny hand-held for this summer's QRP adventures. West Marine has the new
> Garmin eTrex on sale. This 12-parallel channel, 500 way-point unit is said
> to run for 18-22 hours on 2 'AA' batts. I managed to steer myself thru a
> demo outside a West Marine store and even navigated my way back to the
> cashier - fortunate, as she was holding my Visa card as security ;))
>
> At \$114.95, it seems like a pretty cool buy - anyone try one yet?
>
> Nice description/pics at: <http://www.4x4books.com/gmet.htm>
>
> Thanks for any user reports/advice,
>

Yes, I have one, Conrad. Possibly it is on sale due to the upcoming release of the eTrex Summit. (eTrex + Altimeter + compass).

I'm pretty GPS "heavy" and all are Garmins: eMap, Street Pilot, eTrex and III+. All but the eTrex allow me to upload maps to them from CD-ROMS (also from Garmin).

The eTrex is definitely entry level .. but it works very well. Size and weight definitely make it qrp! I have used mine in the mountains for hiking. But I tend to use the III+ more, because I can load topo maps into it which show trails, etc.

A really great resource is at

<http://joe.mehaffey.com>

with reviews and buying advice. Joe is also a ham, BTW.

You can download the eTrex manual from Garmin at

<http://www.garmin.com/support/userManual.html>

(left column, second item).

The bottom line is that you need to match what you buy to your usage. For example, many/most Garmin units have Maidenhead as a coordinate system .. which may be a factor for UHF/VHF hilltoppers (but I do not recall if that is in the eTrex ... manual should tell).

Phil W7OX (K2 #380; K1 #???)

Date: Fri, 19 May 2000 07:07:51 EDT
From: KC4FKX@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [70536] "Stealth Amateur Radio"
Message-ID: <2f.57752d4.26567a87@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Fellow QRPers,

I recently ordered "Stealth Amateur Radio" from the ARRL and just thought I would share it with the group. Overall it is a nice little book...especially for someone just getting in the hobby. There is also a section on QRP and is written in such a manner as to promote it! There is even a picture of Wayne Burdick, N6KR and Eric Swartz, WA6HHQ (designers of the Elecraft K2) operating the K2.

While I enjoyed the book and there were some interesting points the author makes about various topics, some of you might find as I did that it contains information, pictures, and diagrams recognizable from other ARRL publications, thus being a little disappointing.

On a scale of 1 to 10 I would give it a 9 for those of you new to the hobby or who don't already have a library of ARRL publications. The rest of you might want to preview it or get another opinion before actually purchasing.

Frank

Date: Thu, 18 May 2000 21:14:19 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [70537] The Whatcha-ma-call-it Ant
Message-ID: <20000519.072509.-254473.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks for the many replies...

My cajun belle was suprised so many wanted me to stay alive... and she thanks u... me too...

I got some ideas I need to try on this project... I have a complete set of hustler coils for 80 thru ten meters maybe I could put them on the back side of the camper top and tune them for the different bands...

that would be just a small coil and spring on the top back of the camper top... probably would let me get into mc don's ... wouldn't be much of a wind load.... and acceptable to the xyl... hmmm

studying the habits of the crawfish sure helps when u r a married folk... I tell u man...

kella joel

in maine

ducking the xyl

hideing all the shotgun shells too!

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 May 2000 07:41:21 -0400

From: Bruce Muscolino <w6toy@erols.com>
To: n7dw@garlic.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [70538] Re: mobile antennas
Message-ID: <39252861.1ECD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Russ,

>

> Okay, I can't stand it any longer.

>

I'm with you! I think I'll take this time to add my input as well.

I have never used the Outbacker I have in a mobile setting though I did use it just before FDIM 1996, from a condo balcony, to make some measurements. I had owned the antenna for three years or so at the time. Guess it shows I am lazy!

I found its ALL BAND performance to be quite good. And incidentally, several of my friends in California were using them as mobile antennas and were quite happy with them.

I also bought a Hamstick knock-off at Dayton that year. Again, I have not used this in a mobile setting but I did subject it to the same set of tests I ran on the Outbacker. It performed about as well.

Fave it, both antennas are about the same as far as design goes. They are continuously loaded antennas, or as they are called in the Handbooks, Helically Wound antennas. They depend on the length of wire wound on the form for resonance. I think the Outbacker may have a slight advantage here as it seems to use larger gauge wire. There is a relationship, however small, between copper losses and performance.

The other matter is cost. A full sized Outbacker costs about \$250.00. A lot of money to most of us. A single Hamstick costs about \$25.00, a little easier to bear. But with the Outbacker you can change frequencies almost automatically throughout the HF region. 10 bands. 10 Hamsticks = \$250.00!

I think whichever you choose, you should be aware that the antenna is the only link you have to the outside world. Your radio, be it a K2, a FT1000MP, or a NJQRP Tuna Tin 2, won't work without the antenna!

The antenna, whether it is used as a mobile antenna or a fixed vertical is very dependent upon ground too! If you don't provide an adequate ground plane it will not be very efficient. Remember, there is more to

antenna measurements than SWR.

73

PS - I also have and have used a complete set of Hustler antennas in a mobile setting. Frankly I don't work enough mobile to say if they are better or worse, just different technology!

I used to use the Hustlers as a 'fixed mobile' setting on the beach in California. Worked Japan pretty regularly on 10 meters, and had a three way once with a VK, a W8, and me while on teh road to Las Vegas!

Date: Fri, 19 May 2000 07:21:53 -0500
From: Richard Matthews <prm@hiwaay.net>
To: clray@usc.edu, qrp-l@lehigh.edu
Subject: [70539] Re: SMK-1 #21
Message-ID: <3.0.1.32.20000519072153.0092ada0@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:29 PM 5/18/00 -0700, you wrote:

>The enclosure kit was also a hoot to build, but I couldn't keep the
>paint from cracking on it. Had primed and sanded, prior to applying the
>"Engine Manifold Red" to the top case. It just wouldn't adhere
>properly.

>de Casey

>AD6DI

.....

My enclosure kit came in also and went together well except for one problem. My kit had two front panels with three holes and no rear panel with four holes, but no big deal, I just put another offset hole in the rear panel and reamed out one of the small holes to accept the antenna plug. I don't really like the labels printed on the clear acetate and will do my own labeling.

Still have not made a contact with the SMK-1 but have not really tried a lot either. It's hard to stay indoors and radio with all this beautiful weather we are having. Guess I'll have to string the portable inverted vee soon and do some outdoor hamming.

Cracking paint? Hi-temp paint? might be the problem.

73,

WA4NWW Richard

Date: Fri, 19 May 2000 08:41:42 -0400
From: "Art Marshall" <artm@t-com.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70540] mobile antennas
Message-ID: <000a01bfc18f\$95df80c0\$70c80ac0@pc-art2.t-com.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Geeez, I really have to ask this quesion.....

What is a stinger some of u are talking about. I know what a coil is and what the adjusting rod is, but what is a stinger. Bees and wasp have stingers. I am confused.

73 Art w1fji

Date: Fri, 19 May 2000 08:48:35 -0400
From: tailfeathers@juno.com
To: w7ox@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [70541] Re: mobile antennas
Message-ID: <20000519.084839.-4012405.0.tailfeathers@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have used the Hustler antenna system for a long time and the bumper mount is a very good antenna but as I said earlier when its mounted on one end of the vehicle it in essence becomes a beam using the opposite end of the vehicle as a ground plane. I have seen the same thing from CB antenna's to ht's to hf stuff. Sometime when you can't quite make the repeater with your ht walk around the opposite side of your vehicle and I bet you get in.

Any way I have since gone to the hustler short mast on a tri mag mount in the center of my truck roof and I regularly have mobile to mobile qso's on 40 and 20m. I use 2 nuts on the top of the mast tightened against each other and just remove the resonator and not the mast. I

know its a little work but I just stand on the seat and put my other foot on the door, a its no big deal. I would say the only way an Outbacker mounted on the bumper would out perform my hustler on the roof would be to put the Outbacker on the roof. The ground plane is everything!!!

I think the perfect mobile hf antenna would be any good antenna mounted in the center of the truck bed on top of an aluminum tonneau cover. Ya know one of those flat bed covers....it would have to be metal or at least line the inside of it with tin foil. It would kick butt!!!

Gary n8gsj

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 May 2000 08:59:17 -0400
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [70542] SMK #227
Message-ID: <000d01bfc192\$0aa896b0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I got my SMK finished last night. Hooked up the power, no smoke!
Hooked up the antenna and headphones, and I had SOUNDS! not much CW but man
I had a evangelist pounding my ears. Then I went to bed.

So maybe this weekend I'll tweak around with it and see what I can get it to
do.

72 de KB9BVN

Date: Fri, 19 May 2000 09:17:01 EDT
From: W1R0@aol.com
To: qrp-l@lehigh.edu

Subject: [70543] Re: Freqs for SSB contacts? What are the popular ones?
Message-ID: <df.486b7ed.265698cd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I try to monitor 28060 on the weekends from here in Las Vegas. I do take a couple of hours off on Saturday from 1000-1200 PST for a class. If propagations is my way give me a call. Also look on both sides as I try to move off the calling freq to chat.
For SSB I'm all over the 10 meter band when propagation is good.

Date: Fri, 19 May 2000 08:40:30 -0500
From: Bcieslak@ra.rockwell.com
To: qrp-l@lehigh.edu
Subject: [70544] RE: CQ AE9K
Message-ID: <0F129051DF.CE99393C-0N862568E4.004AC5FD@ra.rockwell.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Sorry for the Band with guys this will just take a second.

Brian,
I tried to email you from three different servers and it seems it seems the spam filtering is on your end at the dancris.com server.
I have received email ok from others today. Try from your end again

Brian AE9K

Date: Fri, 19 May 2000 09:20:26 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [70545] FDIM Dayton QRP Seminar
Message-ID: <000701bfc19d\$61c52700\$f3365a3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was there. The following link is to a panoramic picture take from my seat in the back. The panorama software distorts the image so it looks

funny. Scroll right to see the whole thing. I think that's Ken, W4DU,
at the podium.

<http://www.indiana.net/~wd9eyb/fdim/fdimpan.jpg>

Jim, WD9EYB

Date: Fri, 19 May 2000 09:37:35 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [70546] G3RJV's apple
Message-ID: <000701bfc19f\$c7064160\$e7365a3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I snuck a shot of G3RJV's apple before he gave his talk.
<http://www.indiana.net/~wd9eyb/fdim/apple.jpg>

Jim, WD9EYB

Date: Fri, 19 May 2000 07:35:07 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [70547] MFJ-971 tuner wanted
Message-ID: <3925511B.9DE60F88@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm looking for an MFJ-971 antenna tuner. If you have one you'll sell,
pse e-mail me off list.

Tnx/72....Roger

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Fri, 19 May 2000 09:46:30 -0500
From: George F Franklin <w0av@juno.com>
To: j.p.osburn@ieee.org
Cc: qrp-1@Lehigh.EDU
Subject: [70548] Re: FDIM Dayton QRP Seminar
Message-ID: <20000519.094659.-342129.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Jim,

Many thanks for the Dayton pix.

My, what a distinguished appearing group!

72/73/74 de George/W0AV
SOC #101

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 May 2000 10:50:03 -0400
From: "Brian" <brian@iquest.net>
To: <w0av@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70549] Re: FDIM Dayton QRP Seminar
Message-ID: <007001bfc1a1\$83ad4790\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wahhhhhh!!! Wahhhhhh!

I wish I was there!!

Boo H00

----- Original Message -----
From: George F Franklin <w0av@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, May 19, 2000 10:46 AM

Subject: Re: FDIM Dayton QRP Seminar

> Hi Jim,
>
> Many thanks for the Dayton pix.
>
> My, what a distinguished appearing group!
>
> 72/73/74 de George/W0AV
> SOC #101
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Fri, 19 May 2000 09:49:59 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [70550] QRP Capital of the World
Message-ID: <000f01bfc1a1\$82433040\$e7365a3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's a picture of the place that's the QRP capital of the world
for the next couple of days.
<http://www.indiana.net/~wd9eyb/fdim/capital.jpg>

Jim, WD9EYB

Date: Fri, 19 May 2000 10:55:45 -0400
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [70551] Pins for SMK-1
Message-ID: <007601bfc1a2\$4fa3a290\$3d05080a@cincom.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was just looking at the SMK-1 pics on Red Hot and Norcal.

Their boards have pins in the back for connecting the power, key, headphones, and antenna with plugs.

I want to do that to mine. Where can I buy that stuff and whats it called? (Yeah, probably a stupid question but I have never let that stop me before).

72

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
TEN TEC SCOUT @ 5W or NORCAL 40a @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
=====
```

Date: Fri, 19 May 2000 07:54:39 -0700
From: Patrick Armstrong <aa7fg@gte.net>
To: qrp-1@Lehigh.EDU
Subject: [70552] Wilderness Sierra/KC2/NB/8 bands - \$295.00
Message-ID: <392555AF.5FE8A6DC@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wilderness Radio Sierra QRP transceiver w/ KC2 (LCD display/ memory keyer) and 80,40,30,20,17,15,12,10 meter band modules. The radio is in excellent physical and electrical condition. It also had the BuzzNot noise blanker installed... \$295.00

Pat, AA7FG - Oregon

Date: Fri, 19 May 2000 08:00:55 -0700
From: Patrick Armstrong <aa7fg@gte.net>
To: qrp-1@Lehigh.EDU
Subject: [70553] DL-QRP-PA amplifier unbuilt-\$50

Message-ID: <39255726.E32FE9B8@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FunkAmateur DL-QRP-AG 35 db linear amplifier unbuilt. Designed by German QRP Club and produces 7-8 watts output depending on application. Planned to install into Sierra, but got another rig (when will I learn)... \$50, shipped...

Pat, AA7FG - Oregon

Date: Fri, 19 May 2000 10:14:52 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [70554] Design Session
Message-ID: <001b01bfc1a4\$fcd6dc00\$e7365a3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After lunch they split the meeting room in two.
I attended the design session half.
Good thing I got there early to get my seat up near the front.
Here's a picture looking back from my seat.
<http://www.indiana.net/~wd9eyb/fdim/design1.jpg>
They eventually opened the wall on the left after the
Kiwana's finished lunch and let us spread out.

K8IQY builds really neat stuff and gives really good talks.
He even passes his stuff around so everybody can look at it.
Here's a picture looking down on his 2N2/6 built Manhattan style.
I took this picture while sitting in my seat at the seminar.
<http://www.indiana.net/~wd9eyb/fdim/2n261.jpg>
Here's another picture of the 2N2/6 I took while in my seat.
<http://www.indiana.net/~wd9eyb/fdim/2n262.jpg>
After that I had to pass the rig on so the next guy could see it too.

Man this is neat stuff.

Thanks,

Jim, WD9EYB

Date: Fri, 19 May 2000 09:18:10 -0600
From: "Jess Gypin" <jessqrp@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70555] Gap Titan up for grabs in the Denver area.
Message-ID: <008c01bfc1a5\$723dca80\$757ce13f@stortek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am redoing antennas and priorities. The Gap Titan that has served me well is up for grabs.

It has been up for about 3 years and is in really good shape. I really don't want to get involved with shipping this antenna. I have all of the caps for 80 meters so you can pick your band section.

\$185.00 you take down and haul.

Jess Gypin
303.661.9110
Lafayette, CO

Date: Fri, 19 May 2000 08:46:31 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: artm@t-com.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70556] Re: mobile antennas
Message-ID: <392561D7.C9CEFFF1@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Art Marshall wrote:

>
> Geeez, I really have to ask this question.....
>
> What is a stinger some of u are talking about. I know what a coil is and
> what the adjusting rod is, but what is a stinger. Bees and wasp have

> stingers. I am confused.
>

A long steel whip that comes up out of a loading coil on a bottom or center (ala Hustler) loaded mobile antenna.

Phil

Date: Fri, 19 May 2000 10:06:56 -0600
From: "Robert Armstrong" <barmstrong@sisna.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [70557] Operation from Grand Canyon
Message-ID: <005b01bfc1ac\$48a87b00\$eeb4d2d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey y'all:

I will be operating from the bottom of Grand Canyon tomorrow (Saturday May 19) at 12 noon MDT, 1300 Arizona Standard time, 11 am PDT, 1800 Zulu. Yes, Virginia, those are all the same time (I think)

I'll be on 7042 kHz. The computer predicts the propagation will be good into California and the midwest. With 2 watts output, I'm not likely to be very strong, given the terrain. But who knows? That's the fun of ham radio.

NC7W (Dave) will be calling the "GCN" (Grand Canyon Net) starting about 15 min early to mark my frequency. Call him and say hello and let him know you're listening for me.

Last spring I was able to make some Q's from the depths of the big hole. If you're curious to see how a QRP backpack station does from the bottom of Grand Canyon, please listen and give me a call!

Bob, N7XJ Utah

Date: Fri, 19 May 2000 11:11:01 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70558] Re: mobile antennas

Message-ID: <007901bfc1ad\$41435d20\$1886fea9@dandoooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll offer a few of my mobile experiences here as well. Might as well.....

I've run Hustler antennas almost exclusively for many years. Only briefly did I try another type. That was the Hamstick "clone", Valor (is that a fair label?).

During the early 80's, I ran the Hustler mounted on a small home made bracket on the front end of an aluminum camper shell on my pickup. The bracket location put the antenna about center of the vehicle. With a quick disconnect at the base, it was easy to fairly easy to reach and remove it if needed. It was tall though, so noting the clearance of low overpasses became more than just a curiosity.

Performance was great. Much of my operation was on 40 running 100 watts (Atlas 210X), but I also enjoyed a good amount of DX activity on 10 and 15. That's all the resonators I had. Signal reports were always very good. I once had the pleasure of "beating out" a Bugcatcher on 40. For what that's worth. We were both in the same spot (between Houston and Dallas) and I got better signal reports from the other stations we were in QSO with. Ok, maybe his was just not working well.....

Later I replaced the pickup truck setup with a roof mounted mag mount on a sedan. That worked well until the whole thing blew off the roof at 75 mph (yea, that's the speed limit on the Oklahoma toll roads). I thought that it might be time to try an antenna with a little less wind resistance.

A friend of mine was running Hamsticks on a mag mount on top of his minivan. I thought that I would give that a try. I don't recall why I bought the Valor rather than the Hamstick. Might be because I ordered at the same time, a new mag mount from them. Got the 40 meter antenna. I figured that if that worked out ok, I'd start collecting for the other bands. I did notice that the SWR at resonance was higher than I had experienced with the Hustler. It was under 2:1 but not by much. My friend using the Hamstick noticing the same thing had built himself a tapped coil assembly at the base for better matching. I had never had much over 1:1 with the Hustler so had never considered such a device - except for the time many years ago when I tried a bumper mount. Then the SWR was high enough (don't recall how much) to prompt me to build such a matching device.

One question I could not resolve, was what to do about quick disconnects. For the Hustler, using the same mast for all bands, I would need only one. For the single band antennas, I would need one for each antenna. That

seemed like an awful waste. It soon became a mute question.

First trip out with it and the new mag mount - a big tri-point assembly with large magnet pads, upon reaching highway speeds, it immediately blew off the roof. This mount, like the previous one was totaled. Fortunately the antenna suffered no more than minor surface abrasions.

I built from the destroyed bracket assy. a bracket to mount into the trunk groove of the car. Bolted down securely, it placed the antenna base on the right side of the vehicle by the trunk groove and about level with the rear of the rear window. In this position, the Valor read a little over 2:1. Let's try the Hustler again. It read 1:1. I verified those readings with several instruments including the MFJ-259B. 50 ohms. For me there was no further antenna choice debate. I bought a 17 meter resonator and tossed the Valor.

This bracket has supported well even the 40 meter high power resonator. A quick disconnect breaks it down quickly and to put it away, just unscrewing the resonator (hand tightened) makes it even smaller for trunk storage or quick band change. I use the vinyl covered non-folding mast which is about five foot long.

Performance? I have worked some respectable DX with it. The furthest being Japan from Louisiana running 100 watts from an Icom 706. I've also been answered on my first call to DX stations in light pileups. I've had excellent signal reports domestically and have had some (perhaps a little tongue in cheek) doubting my mobile status. Too many different stations saying it sounded more like a base than a mobile to take it as a fluke. Most of this latter operation has been on 17 meters.

Just my experience and my two cents worth. Sorry for the length of this, but I'm a very satisfied Hustler user. Get the antenna up as high as you can. Watch out for some of the newer vehicles if you intend to try a mag mount. There is less and less steel being used and you may not be able to keep it up there. For that "misplaced" Cajun gentleman whose woman threatens his life if he modifies his pickup truck, maybe the bracket attached to the front of the camper shell with just a couple of small bolts will be acceptable. Awfully good groundplane up there!

73 to all

Dan W. Dooley WB5TKA Bedford, Texas EM12ku

e-mail to: dandoooley@pipeline.com

May Goddes love blest ye alle

SOC#198

"Ancient Pistol, I do partly understand your meaning."

Date: Fri, 19 May 2000 09:46:35 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'Wa3ptg@aol.com'" <Wa3ptg@aol.com>, "'qrpl'" <qrpl@Lehigh.EDU>
Subject: [70559] HB: receiver
Message-ID: <87568F78ABDCD211A0AC0008C707718B029D0EFC@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The choice of a clean IF is **really** important. I have built a lot of HB superhets, some of which have used a bad IF, such as 6.0 MHz (for a 30m transceiver). In the case of a bad IF (6 MHz was the BBC frequency), I used a series tuned 6 MHz trap to 50 ohm to drop it down, along with a better preselector, but it still was bad at times.

I have not had much problems with hetrodynes, but that is because I try to limit the VFO to some where in the "less than 1/2" to "more than 1/3" frequency range. This places the images far enough away that the preselector will not so great a problem rejecting images. I cannot fathom how people expected rigs to work in the dark past when they went straight to 455 KHz (as did my old Knight Kit Star Roamer SWL kit).

Given what you have, and assuming that SWBC can be up to -40 dbm signal levels, while weak cw on 10 MHz is about -130 dbm, you would like to get 90 db of attenuation at 6 MHz from your 10 MHz front end. This is not easy. Just go to a recent ARRL handbook and look at what kind of high pass or bandpass filter is required to get that much attenuation at 6 MHz given a passband at 10 MHz.

Better would be to use a 4 MHz IF and a 6.1 MHz VFO because the image will be 1.9 MHz and lower, which will be much easier to filter. The disadvantage is increased VFO drift. You could instead mix your 2 MHz VFO with some crystal such as 4.019 (not 4 MHz, if that is your new IF!), but you will increase the number of "birdies" your receiver will generate with so many mixing products to work with.

Keep it up! Homebrew is fun, and you learn a lot! My entire HF station is homebrew QRP.

A caution on superglue! I have found it to be a **very** RF lossy adhesive.

In the VFO area, so not let it bridge any component lead to ground! It will cause excessive drift! Make sure only the body of the component is glued!

Dan Tayloe, N7VE; Phoenix, Az; AZ ScQRPions

>Any scratch builders out there?

>I built a 30 meter superhet over the weekend. It's part of my
>get-on-30-all-homebrew project. This isn't an exotic circuit, just a
couple
>of NE602s with a single tuned circuit on the input. It receives 30 meters
>fine, but also some AM stuff sometimes. The radio has an 8064 KHz IF, the
>local oscillator tunes 1936-1961 KHz. I'm guessing the hetrodynes are from

>the 6 MHz. broadcast band.

>The questions: can the hetrodynes be eliminated with a double-tuned input
>circuit? Or have I just made a poor choice in IF frequency? Most of the
>NE602 transceivers I've seen use very simple input circuits to the first
>mixer. Wouldn't a double-tuned circuit with balanced output to the NE602
>give better performance?

>Manhattan notes: The local oscillator uses an NOS 25 pf cap with two
>mounting holes on the bottom. Just for fun, I glued the cap to the circuit

>board just to see how it would do. It held great! I wouldn't do this on a

>finished rig, but on a work-in-progress, it can't be beat. Superglue is
great.

>Another thing I like about manhattan: the local oscillator and IF filter
are
>built on separate boards. When the radio is finally modified to death, I
can
>recover the modules with a tap on the side of the board with a screwdriver
>and *small* hammer. I'm not to far from this. Version 2 will probably be
>built this weekend.

>30 or bust.

>72 DE WA3PTG

>Harry (Hap) Hurst NJQRP-EPAQRP

>Wilmington DE QRP-L #1464

Date: Fri, 19 May 2000 11:59:20 -0700
From: Michael Melland <badger@vbe.com>
To: qrp-l@lehigh.edu
Subject: [70560] FS: Tektronix 7603 plus...
Message-ID: <39258F08.37DE7482@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just purchased a new O'scope and it's time to pass along my loved and venerable Tektronix 7603 100 MHz frame and plug-ins. The scope is in working condition, a few scratches on the case but overall in good shape.

7603 frame (wi/readout... this is a Holland made Tek)
7B53A time base plug-in
2 ea 7A26 dual 200 MHz vertical amp plug-ins
Original manuals
2 ea new Avex X10 100 MHz probes
Extra 7603 frame for parts
Model 3 or was it 5 Tek (?) lab cart with drawer and scope lock. Can hold scope on top tilting base, other instruments like a TM504 on second shelf and has a large drawer on bottom..... wheeled.

Asking \$375 for all..... u-haul. Near Oshkosh, Wisconsin. Scope has not been calibrated.... but then who needs that <grin>. If interested e-mail me off list.

Thanks, es 73 de Mike Melland, W9WIS

Date: Fri, 19 May 2000 09:59:00 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-l@lehigh.edu
Subject: [70561] Re: Operation from Grand Canyon
Message-ID: <20000519095900.A711@primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Fri, May 19, 2000 at 10:06:56AM -0600, Robert Armstrong wrote:
> Hey y'all:
>

> I will be operating from the bottom of Grand Canyon tomorrow (Saturday May
> 19) at 12 noon MDT, 1300 Arizona Standard time, 11 am PDT, 1800 Zulu.
> Yes, Virginia, those are all the same time (I think)

Not quite. The time in Arizona will be 1100 MST.

--

Bob Nielsen, N7XY (RN2)
Bainbridge Island, WA

nielsen@primenet.com
<http://www.primenet.com/~nielsen>

Date: Fri, 19 May 2000 10:07:54 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [70562] QRQ Net Practice sentences.
Message-ID: <392574EA.EEA77C3D@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the delay. Been QRL here.

Net meets Sundays at 7 PM PDT, 7039 KHz.
(Monday, 0200Z UTC.)

- 1) Split aluminum inserts assist in
VHF antenna tuning.
- 2) Frequency and phase is measured from
lissajous figures.
- 3) Wavetraps and line filters assist in
BCI troubleshooting.

72/Ed we6w

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Fri, 19 May 2000 13:08:40 -0400
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [70563] SMK Archives

Message-ID: <00e801bfc1b4\$e0f6fbe0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have a file of all the SMK messages? I was filing mine away here and I've managed to delete the whole folder. I'm ready to start trouble shooting it and then this happens. Perfect.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
TEN TEC SCOUT @ 5W or NORCAL 40a @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
=====

Date: Fri, 19 May 2000 19:21:07 +0200
From: "Heimo J. Lyden" <sm6lod@golfinho.com>
To: QRP-L@lehigh.edu
Subject: [70564] You may ask yourself . .
Message-ID: <4.1.20000519184346.0096bc90@mail.golfinho.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nils,

I am not an expert in antenna tuners, but since I have the AT11 and the built in KAT2 in my K2, the AT11 which I used with my now departed Yeasy FT100, I might give you some of my experience. My antenna park is a fishing pole 5m out from the balcony. I never succeeded in getting a good match with the FT100 on 40 and 80m. But my K2 tunes up nicely on all bands except on 10M, which is expected, because there we have a half wavelength. The funny thing is that the KAT2 does tune on 40 and 80m without hardly trying to match and give you a perfect 1:1. I have noticed that the AT11 gives it a much harder try before it actually gives up.

I guess that the main function for an automatic antenna tuner is to make your rig happy, and that is why the KAT2 performs so well with K2.

I never succeeded having a QSO with the K2 on 40 or 80m because I think the rig was happy, but the output was not that good. Probably QRPp. Here I go again! In the "old days" with nice working tube transmitters we did not even know what SWR was. We put up something that looked like an antenna and of we went. I have a Radio Amateurs Handbook from 1947, which and old

friend of mine gave to me and I cannot see anything about SWR there.
I do not think life was easier for a ham because of that, but there were no TVs
and other modern stuff around which could be harmed by your signals.
No, I am not 100 years old, only 53, and still learning.
BTW did you notice that Nils was absent for a while. I know why! He was busy
building up his new web site. You can find him at
<http://www.geocities.com/Athens/Olympus/9172/links3.html>
Very nice!!!!!!

73
Heimo F/SM6LOD

Date: Fri, 19 May 2000 13:34:39 EDT
From: SKIPNC90@aol.com
To: qrp-1@lehigh.edu
Subject: [70565] Re: mobile antennas
Message-ID: <35.566333d.2656d52f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 5/19/2000 12:56:04 AM Eastern Daylight Time,
DYARNES@aol.com writes:

<< The bottom line in my book is that the Outbacker is a much more convenient
antenna that the Hustler or the Hamstick set, it costs only a relatively
small amount more, it works nearly as well if not just as well as either of
the others.

>>

Hi Gang,

I have used both the Hustler and the Outbaker Perth mobile and on my
sailboat. I like the Perth because once it is tuned up it can be switched
to another band just by plugging the flylead to the other band tap. The Hustler
has to have the resonators and top whip combo changed and stored.

As far as performace they both have worked well for me at Qrp levels and
up to 20 watts. I do not operate above this power level because none
of my HF rigs will run more than this now. I was running 20 watts SSB
on 20 meters from my sailboat in the Chicago harbors and was able to
keep a daily three way schedule with another sailboat in the Caribbean
for 2 months.

I would recommend either setup if mono band or in frequent band
changing is required. After buying all the resonators for the Hustler
you are getiing in the ball park of the Perth outbacker so it could be a
toss up, but I would go with the Peth because it is all in one antenna.

73, Skip Davis NC90

Date: Fri, 19 May 2000 12:38:25 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [70566] Slapped Together A Page of FDIM Photos
Message-ID: <002101bfc1b9\$09978a20\$d6365a3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have slapped together a page of FDIM photos.
It might take awhile to load on slow links.
<http://www.indiana.net/~wd9eyb/fdim/>

Jim, WD9EYB

Date: Fri, 19 May 2000 13:51:58 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: qrp-l@Lehigh.EDU
Subject: [70567] WTB PID
Message-ID:
<Pine.LNX.4.20.0005191348070.1545-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am looking for a autotuning controller such as an Omega engineering
CN8590-dc1 with SSR ouput and Type T thermocouple input. I need it to
control a heating element in a *homebrew* project.
Also need a SSR to control a 240VAC 4500watt element.

Will buy or trade qrp for above.

73,

Jim n2go

Date: Fri, 19 May 2000 11:14:11 -0700
From: Donald Jones <djones@ckc.com>
To: "'QRP-L - Post Message'" <qrp-l@Lehigh.EDU>
Subject: [70568] 80/75M field use ant?
Message-ID: <01BFC183.5D02BBC0.djones@ckc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

I just purchased a MFJ 9475 75M SSB rig. Multiple Ant configuration are anticipated, Mobile Hustler (which I already have), Fix operation I am thinking that I will go with a 85 - 100 ft end fed random wire.

Any suggestions regarding nvis ants? Length? Height? or any other cool ideas that I might be overlooking?

One other thing I will be doing is using a French military kite to lift a random wire when visiting the ocean beaches.

Don Jones EMC Test Engineer
CKC Laboratories, Inc.
Redmond, WA
425-883-4757

Date: Fri, 19 May 2000 11:19:50 -0700
From: Donald Jones <djones@ckc.com>
To: "'QRP-L - Post Message'" <qrp-l@Lehigh.EDU>
Subject: [70569] MFJ 94 series SSB Rigs?
Message-ID: <01BFC184.26BE1AE0.djones@ckc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I just purchased a MFJ 9475.

My intention is to operate the rig into a end fed random wire with a ant tuner handling the macthing issues.

I am curious if those of you who have used these MFJ rigs, have had any problems with the rig when first "tuning up" the antenna tuner and the SWR is high? Granted this will only be a short duration in time, just wondering about how rugged the transmitter really is.

72,

Don Jones EMC Test Engineer - K07i
CKC Laboratories, Inc.
Redmond, WA
425-883-4757

Date: Fri, 19 May 2000 14:57:33 -0400
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70570] SMiTe: Alert
Message-ID: <200005191856.0AA204076@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Howdy,

Friends, Romans, fellow QRP'ers....Lend me your ears.

I am next up on the SMiTe hunt. My operation will start at 9:30 local time here in Va. Sunday evening, May 21. (0130Z May 22, Monday morning). Frequency of course is 3686.4.....Listen for "CQ SMiTe de N4ROA, N4ROA and my exchange will be RST, VA, Dan, for minimum info. Be glad to chat if you wish.

Thunderstorms are predicted off and on all weekend so hope they will not interfere. If I don't show right on time, it will be due to a storm. Keep listening as I will be on and try for at least an hour and a half of operation.

Code speed will be slow since it is in the Novice portion of the band. Maybe we can get some converts. Anyway, sure do hope to work a bunch. It's fun, fun, fun, fun..... See you Sunday evening. Don't miss it.

72..

Dan Wolfe, N4ROA, Gate City, Va....K2#205

Date: Fri, 19 May 2000 11:57:21 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>

To: "'djones@ckc.com'" <djones@ckc.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70571] RE: 80/75M field use ant?
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB43@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

(This is long; See original post below)

There's not much magic to NVIS. All you need to do is have your end-fed random wire or dipole $1/4$ wave or less above real or "virtual" ground. Virtual ground means a counterpoise wire or mesh running under the flat-top section. Solid NVIS contacts have been reported with the antenna only a few feet to a meter above ground.

For multiband use in a single NVIS wire antenna, the flat-top should be about $1/4$ wavelength above ground on the lowest band you will be using, although (as above) closer to ground will work with less efficiency.

Many ham dipoles and wire antennas have NVIS properties due to proximity to ground.

A comment on wire length. In an end-fed wire, counterpoise and tuner combination use a wire length which will tune up on all bands again and again in each new hooch, campsite, embassy, etc. Forget about the old hat 67' and 134' lengths in antenna texts from yesteryear. You should be able to find several antenna/counterpoise length combinations which will tune all bands without jumpers or pruning. Finicky or cheap tuners do not have enough "LC" in them to match a wide range of Z or X, so for these tuners you may have to experiment longer to obtain the ideal wire length.

The wire length should be equal to or longer than $1/4$ wavelength on the lowest band you will use for efficiency sake. Shorter lengths (ex: $1/10$ or $1/8$) may not work with all tuners. You may also find that $1/4$ or shorter wires may require a better counterpoise, such as a full $1/4$ wave radial for that band. If the wire is several wavelengths long, it may have some directional lobes off the wire ends. You might want to read ARRL on longwires.

If space, time and stealth permit, you might want to use a balanced-feed antenna. The feeders can be TV stuff, or your antenna and counterpoise wires with some removable spreaders. This gets both "sides" of the antenna above ground rather than have the counterpoise (one "half" of your dipole) laying on the ground or near consumer equipment. The G5RV and variants usually have "tuner friendly" impedances for the most

finicky tuners.

For stealth and travel, I do not like to bring big "antenna wire", insulators, outdoor coax or baluns. I prefer thin appropriately colored (black, brown, gray) PVC-jacketed stranded hookup wire reels for antenna, counterpoise and spares. Jacketed wire slides through tree limbs and over objects far better than the bare stuff.

Wire position: The antenna wire may be positioned into an L, lazy-L, V, inverted V, lazy V, square or half square. It may also run straight up (convenient tree nearby) or straight down from a balcony. For balcony antennas, use something like a fishing pole or mast to keep the wire away from the building or someone below pulling the wire. You can watch vertical wire length and make a $5/8$ wavelength vertical and radials with the tuner at it's base. You can also make center-fed $2 \times 5/8$ wave antennas for vertical, low angle use in the DX bands. A wire may be formed into a delta, square or triangular loop. One end connects to tuner "hot", the other is brought to tuner ground. Loops should be 1 wavelength on the lowest band.

73

Jay Coote

W6CJ

-----Original Message-----

From: Donald Jones [mailto:djones@ckc.com]

Sent: Friday, May 19, 2000 11:14 AM

To: Low Power Amateur Radio Discussion

Subject: 80/75M field use ant?

Hi,

I just purchased a MFJ 9475 75M SSB rig. Multiple Ant configuration are

anticipated, Mobile Hustler (which I already have), Fix operation I am thinking that I will go with a 85 - 100 ft end fed random wire.

Any suggestions regarding nvis ants? Length? Height? or any other cool ideas that I might be overlooking?

One other thing I will be doing is using a French military kite to lift a random wire when visiting the ocean beaches.

Don Jones EMC Test Engineer

CKC Laboratories, Inc.

Redmond, WA

425-883-4757

Date: Fri, 19 May 2000 15:29:34 -0400
From: "David Maliniak" <dmaliniak@vertical.net>
To: <qrp-1@lehigh.edu>, <njqrp@njqrp.org>
Subject: [70572] For sale: St. Louis Tuner, NorCal 20
Message-ID: <004101bfc1c8\$a08edb40\$0d01a8c0@vertical.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

These items aren't seeing any use so they may as well go to new homes.
They're built by me and are sold as is. Asking prices given; make me an
offer! That is, if you've got any cash left after Dayton...

1) NorCal St. Louis Tuner

Tuner may need a bit of TLC but as far as I know, it's working. Case painted
red; front and rear panels white. With docs. \$70 or best offer shipped
CONUS.

2) NorCal 20 transceiver

Works FB. It has a 10-turn tuning pot installed and a number of AB7MY/W6EMD
mods. Case is original unfinished aluminum. Max power output is right around
5W. With docs. \$100 or best offer shipped CONUS.

72,
David N2SMH
Glen Rock, NJ

Date: Fri, 19 May 2000 15:54:01 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-1@Lehigh.EDU
Subject: [70573] looking fer a SHW-257
Message-ID: <v03110700b54b4bb4344d@[132.235.203.117]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

My little homebrew 2m power amps' module got fried and I'm looking
for a replacement. It is a Motorola SHW-257. Anyone have one or a source
for one? Maybe a replacement recommendation?

Thanks! NS80

Date: Fri, 19 May 2000 12:55:45 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [70574] Kit & Part Sources
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB45@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Can someone email me a list of the US QRP kit manufacturers?

I also needs parts sources. Already have Mouser, Jameco and Newark.

Thanks,
Jay
W6CJ

Date: Fri, 19 May 2000 16:24:23 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<JCoote@ci.arcadia.ca.us>
Subject: [70575] Re: Kit & Part Sources
Message-ID: <00b501bfc1d0\$3beb54e0\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jay

Don't forget Digikey (<http://www.digikey.com>) - a lot like Mouser in the stuff they carry - outstanding service.

Dan's Small Parts & Kits (<http://www.fix.net/dans.html/>) has a lot of RF stuff like varactors that can be hard to find.

Palomar Engineers (<http://www.palomar-engineers.com/>) has torioids, but not a lot else. If you can get it at Dan's, he will be cheaper, but if you

can't get a toroid somewhere else, Palomar has it.

BG Micro (<http://www.bgmicro.com/>) has a lot of assorted junk, as does Mendelson (<http://www.meci.com/>). In the unlikely event they have what you want, they will be the cheapest. Maybe junk is a strong word here, I've never been disappointed at stuff I've ordered from either of them, it's just that their selection is a bit eclectic.

If you need a special crystal, there is no answer (for me) other than International (<http://www.icmfg.com/>). They are expensive but they can make whatever you want, and if you can describe the radio or the circuit they will know what you want.

Most of these places seem to take a couple of weeks to get your order to you, the exception being Digikey whose standard shipping is about 2 days here to Michigan.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

-----Original Message-----

From: Coote, Jay <JCoote@ci.arcadia.ca.us>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, May 19, 2000 3:59 PM
Subject: Kit & Part Sources

>Can someone email me a list of the US QRP kit manufacturers?
>
>I also needs parts sources. Already have Mouser, Jameco and Newark.
>
>Thanks,
>Jay
>W6CJ

Date: Fri, 19 May 2000 16:29:36 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70576] Re: Archive: QRP-L CD Version 3, dated May 7, 2000 now Available (long)
Message-ID: <39255DE0.CC75131@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Talk about outstanding service!
The CD arrived at my house in central Florida today!

Thanks Jim.

michael N6CHV

Jim Larsen AL7FS wrote:

>
> Greetings from Alaska!!
>
> QRP-L CD Version 3.0 CD-ROM

Date: Fri, 19 May 2000 13:44:20 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [70577] Re: FS: OHR-100A 30-meter kit..
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F02BE5E28@hq-expo2.filenet.com>

..the "inbuilt" kit has been spoken for..

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Fri, 19 May 2000 15:47:21 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [70578] FS: 2 mtr crystals
Message-ID: <Pine.LNX.3.95.1000519153619.22427A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Found these and seeing I no longer use them, they might be useful to
someone else.....\$1.00 each Cdn or US + shipping.

| | | |
|----------------------|---------------|-------------------------|
| One - Texas Crystals | - 8006 kc | - FT243 - |
| One - Cecor | - 8006.667 kc | - FT243 - |
| One - Texas Crystals | - 8015 kc | - FT243 - |
| One - Petersen | - 8078.333 kc | - FT243 - |
| One - Jan Crystal | - 8090 kc | - larger black holder - |
| One - Jan Crystal | - 8130 kc | - larger black holder - |

One - Crystal Products - 8150 kc - FT243 -
Two - C.R. Snelgrove - 8754 kc - FT243 -

...please replye-mail direct.

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 19 May 2000 15:21:53 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [70579] FS: FT100 tuning knob, suitable for K2
Message-ID: <3925BE81.2FD4@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Having just traded my K2 for a big hootie QRO rig, I have ended up with
a Yaesu FT100 tuning knob available that I never put on the K2.
If someone wants it for what I have in it, (\$18) it is yours.
Otherwise it will end up on one of my little rigs.

73 Allan

--
Allan Taylor K7GT Pleasanton/Livermore CA
k7gt@qsl.net or k7gt@aol.com

Date: Fri, 19 May 2000 18:33:23 EDT
From: DaveLeDuc@aol.com
To: qrp-l@lehigh.edu
Subject: [70580] FS or FT TenTec 1330
Message-ID: <de.530dd10.26571b33@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a TenTec 1330 in excellent condition. I would like to trade for a
comparable QRP rig for 20, 15 or 10 meters or I will sell it for \$75.
Includes manual.

Dave K1EPJ

End of QRP-L Digest 1826
